

Merilisa COVID-19 Neutralizing Antibody ELISA Test

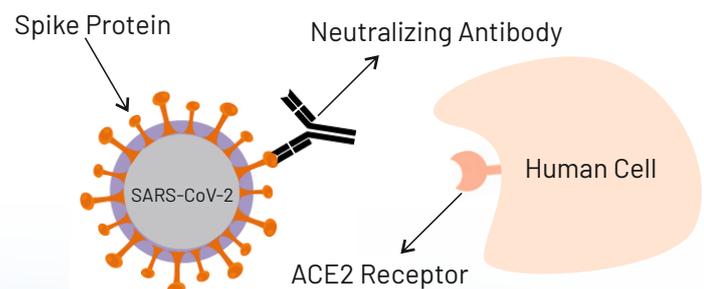
Merilisa COVID-19 Neutralizing Antibody Detection Kit is a blocking enzyme-linked immunosorbent assay intended for qualitative direct detection of total neutralizing antibodies to COVID-19 in human serum and plasma.



Why Neutralizing Antibodies?

The presence of neutralizing antibodies (NAbs) is an indicator of protective immunity for most viral infections.

Neutralizing antibodies in COVID-19 are antibodies of significant interest, as they can efficiently stop the infection by blocking the interaction between the SARS-CoV-2 virus and the host cells. Most neutralizing antibodies react to the receptor binding domain (RBD) of the spike protein, which directly binds with the cell surface receptor ACE2.

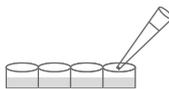


Merilisa COVID-19

Neutralizing Antibody ELISA Test

Procedure

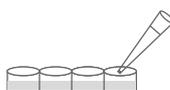
Add 100µl of biotin conjugate to all the wells except blank well



Add 50 µl of controls and samples to their respective wells



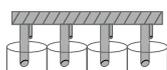
Add 100µl of working enzyme conjugate to all the wells



Cover the plate and incubate for 90 minutes at +37°C



Wash the wells with 350 µl of wash buffer 5 times



Add 100 µl of substrate solution to all the wells



Cover the plate and incubate for 30 minutes in the dark at room temperature



Add 50 µl of stop solution to all the wells



Gently mix and read the absorbance at 450/630 nm



Principles

- Based on the principle of Capture Elisa for the qualitative direct detection of total neutralizing antibodies.

Highlights

- Using purified RBD from the viral spike protein and host cell receptor ACE2
- Detects antibodies against SARS-CoV-2 that any effect of virus particle
- Best suited for detection of antibodies post vaccination

Ease of operation

- Sample type : Serum or Plasma
- Sample Volume : 50µl
- Total Assay Time : 120 minutes
- User friendly protocol
- Single washing step
- Ready to use controls
- Reliable & accurate results

Product Code	Description	Pack Size
CNAELI-01	Merilisa COVID-19 Neutralizing Antibody ELISA Test	96 T

Manufactured by

Meril Diagnostics Pvt. Ltd.

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